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APPLICANT: HITACHI LTD;

INVENTOR: SAITOU HIROYA;

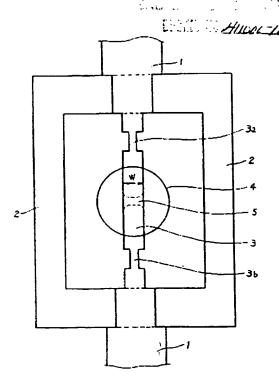
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TITLE

: SEMICONDUCTOR DEVICE



ABSTRACT: PURPOSE: To reduce heat travelling from the central part of a wiring cutting-off link to the wiring direction by the effect of heat transfer, by arranging two or more parts whose widths are different from the other parts, in the wiring cutting-off link.

> CONSTITUTION: A guard ring 2 prevents the permeation of contaminant from an external wiring 1. A wiring cutting-off link 3 is introduced into the guard ring 2. At two parts near both ends of the link 3 on an Si substrate, are arranged portions 3a, 3b whose widths are narrower than the other portions. When a circular region 4 containing a portion having a normal width W between the narrowed portions 3a, 3b of the link 3 is irradiated with a laser light of continuous oscillation lik Ar laser, a central part 5 is fused and cut out, because thermal conduction to both ends of the irradiated part is restrained by the narrowed portions 3a, 3b, and the temperature of irradiated part is increased as the results of heat concentration. However, the Si substrate of lower layer suffers no damage at all, because the radiating laser light is continuous and the peak value is small.

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